



# भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित

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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

## भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
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PATENTS AND DESIGNS

Calcutta, the 10th June 2000

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Phone No. 578 2532  
Fax No. 011 576 6204

1—107 GI/2000

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Chennai-600 090.

The States of Andhra Pradesh  
Karnataka, Kerala, Tamilnadu and  
Pondicherry and the Union  
Territories of Laccadive, Minicoy  
and Amindivi Islands.

Telegraphic address "PATENTOFIS"  
Phone No. 490 1495  
Fax No. 044 490 1492.

Patent Office (Head Office),  
"NIZAM PALACE", 2nd M.S.O.  
Building, 5th, 6th and 7th  
Floors, 234/4, Acharya Jagadish  
Bose Road, Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS"  
Phone No. 247 4401  
Fax No. 033 247 3851

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## पेटेंट कार्यालय

## एकस्व तथा अभिकल्प

कलकत्ता, दिनांक 10 जून 2000

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा मुम्बई, दिल्ली एवं चेन्नई में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जॉन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडी हस्टेट,  
तीसरा तल, लॉवर परले (प.),  
मुम्बई-400013 ।

गुजरात, महाराष्ट्र, मध्य प्रदेश  
तथा गोआ राज्य क्षेत्र एवं संघ  
शासित क्षेत्र, दमन तथा दीव एवं  
दादर और नगर हवेली ।

तार पता - "पेटेंटॉफिक"

फोन : 482 5092 फैक्स : 022 4950 622

पेटेंट कार्यालय शाखा,  
एकक सं. 401 से 405, तीसरा तल,  
नगरपालिका बाजार भवन,  
सरस्वती मार्ग, करोल बाग,  
नई दिल्ली-110 005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू  
तथा कश्मीर, पंजाब, राजस्थान,  
उत्तर प्रदेश तथा दिल्ली राज्य  
क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ ।

तार पता - "पेटेंटॉफिक"

फोन : 578 2532 फैक्स : 011 576 6204

पेटेंट कार्यालय शाखा,  
विंग "सी" (सी-4, ए),  
तीसरा तल, राजाजी भवन,  
बसन्त नगर, चेन्नई-600090 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु  
तथा पाण्डिचेरी राज्य क्षेत्र एवं  
संघ शासित क्षेत्र, लक्षद्वीप, मिनिक्का  
तथा एमिनिदीवी द्वीप ।

तार पता - "पेटेंटॉफिक"

फोन : 490 1495 फैक्स : 044 490 1492

पेटेंट कार्यालय (प्रधान कार्यालय),  
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय  
भवन, 5, 6 तथा 7वां तल,  
234/4, आचार्य जगदीश बोस मार्ग,  
कलकत्ता-700 020 ।

भारत का अवशेष क्षेत्र ।

तार पता - "पेटेंट्स"

फोन : 247 4401 फैक्स : 033 247 3851

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम,  
1999 अथवा पेटेंट (संशोधन) नियम, 1972 द्वारा अपेक्षित  
गभी आवेदन, सचनाएं, विवरण या अन्य दस्तावेज या के-  
फोस पेटेंट कार्यालय के केवल समुचित कार्यालय में ही प्रेषण  
किये जायेंगे ।

शुल्क : शुल्कों की अदायगी या तो नकद की जायगी अथवा  
जहाँ उपयुक्त कार्यालय अवस्थित है, उस स्थान की दानुस्मिकता  
बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा  
की जा सकती है ।

APPLICATION FOR THE PATENT FILED AT THE HEAD  
OFFICE 234/4, ACHARYA JAGDISH BOSE ROAD  
CALCUTTA.

07-04-2000

206/Cal/2000. Junkers John K. Universal torque power tool.  
(Convention No. 09/369,007 filed on 05-08-1999  
in U.S.A.).

207/Cal/2000. Junkers John K. Fastening Device. (Con-  
vention No. 09/369,006 file on 05-08-1999 in  
U.S.A.).

10-04-2000

208/Cal/2000. Patil Vijaya Vikas. An improved flushing  
device, in particular, for toilets of Railway  
coaches.

11-04-2000

209/Cal/2000. Eaton Corporation. Welded annular disc and  
reinforcing plate assembly. (Convention No.  
09/299,594 filed on 23-04-1999 in U.S.A.).

210/Cal/2000. Lam Peter Ar-Fu. Table format programm-  
ing tool. (Convention No.(s) 9930705.4 filed on  
04-10-99 in EPO, and 09/419/752 filed on 16-10-  
1999 in U.S.A.).

211/Cal/2000. (i) MITSUBA CORPORATION (ii)  
HONDA GIKEN KOGYO KABUSHIKI  
KAISHA. Fuel feed apparatus. (Convention No.  
11-109528 filed on 16-04-1999 in Japan).

12-04-2000

212/Cal/2000. Gurvinder Singh and Rajesh Khanna. A pro-  
cess of preparing a mouth dissolving pharmaceu-  
tical composition for rapid disintegration and ab-  
sorption of the drug(s) in the body.

213/Cal/2000. Jahar Lal Bose. Radio active emission  
stopper.

214/Cal/2000 Mitsuba Corporation. Fuel feed apparatus.  
(Convention No. 11-109529 filed on 16-04-1999  
in Japan).

215/Cal/2000. Kumho Monsanto, Inc. Method for pro-  
ducing novel antioxidant.

216/Cal/2000. R & C Products Pty. Limited. Insectidal  
composition. (Convention No. 9520705.6 filed  
on 10-10-1995 in U.K.) (Provided out of No.  
1790/CI 96, dated 10-10-1996).

217/Cal/2000. Tapas Adhikary. Process and apparatus  
for removing soluble arsenic from water.

13-04-2000

- 218/Cal/2000. Gurvinder Singh and Rajesh Khanna. A mouth dissolving pharmaceutical composition for rapid disintegration and absorption of the drug(s) in the body.
- 219/Cal/2000. Excelentec Holding AB, and AGA AB. A method at recovery boiler.
- 220/Cal/2000. LG Electronics Inc. Cool air discharge duct for refrigerator. (Convention No. 20216/1999 filed on 02-06-99 in Republic of Korea).
- 221/Cal/2000. LG Electronics Inc. Shelf for refrigerator (Convention No. 20215/1999 filed on 02-06-99 in Republic of Korea).

17-04-2000

- 222/Cal/2000. Thomson Multimedia. Process for estimating a dominant motion between two frames. (Convention No. 99401077.5 filed on 03-05-99 in EPO).
- 223/Cal/2000. Thomson Multimedia. Process for detecting Black Bars in a Video Image. (Convention No. 9905777 filed on 06-05-1999 in France).
- 224/Cal/2000. Degussa-Hills Aktiengesellschaft. High Performance Catalyst. (Convention No(s). 99 108 061.5 filed on 23-04-99 in EP; 99 119 600.7 filed on 02-10-1999 in EP).

18-04-2000

- 225/Cal/2000. Singh, Vivek Kumar. Space shuttle's acceleration-deceleration without throwing anything.
- 226/Cal/2000. Uehara Haruo. Evaporator. (Convention No. H11-122777 filed on 28-04-1999 in Japan).
- 227/Cal/2000. Uehara Haruo. Heat Exchanger. (Convention No. H11-122778 filed on 28-04-1999 in Japan).
- 228/Cal/2000. Deutsche Thosson-Brandt GmbH. Protection circuit for a switch, and a switched mode power supply. (Convention No. 19920625.2 filed on 06-05-1999 in Germany).

19-04-2000

- 229/Cal/2000. Mirendra Kumar Agrawal. Pencil. (Writing instrument).
- 230/Cal/2000. Keihin Corporation. Slow Adjust screw for carburetor. (Convention No. 281571/1999 filed on 01-10-1999 in Japan).
- 231/Cal/2000. Genesis Research & Development Corporation Ltd. A method for manufacturing a protein. (Divided out of No. 242/Cal/98 filed on 16-12-98).
- 232/Cal/2000. So-Jen Lu. Foldable Tent.
- 233/Cal/2000. MTU Motoren-Und Turbinen-Union München GmbH. A method for producing matched fluiding surfaces. (Convention No. 19922012.3 filed on 12-05-1999 in Germany).

20-04-2000

- 234/Cal/2000. Fianara International B.V. An assembly for feeding prepackaged coffee portions to a brewing unit of a coffee machine. (Convention No(s). 19990753/99 filed on 23-04-99; 2000 0491/00 filed on 15-03-2000 in Switzerland).
- 235/Cal/2000. Dr. Badal Bhattacharya. A process for extraction of gallium from aluminium-containing ores.

- 236/Cal/2000. Sanjay Kumar Bhattacharya & Rabindra Nath Ghosh Process for the production of a nine carbon Hydrocarbon, Nonane.

24-04-2000

- 237/Cal/2000. Rahee Industries Limited. An improved angled guide plate for use in elastic fastening system for railway track.
- 238/Cal/2000. Uehara Haruo. Absorber. (Convention No. H11-152891 filed on 31-05-1999 in Japan).
- 239/Cal/2000. Uehara Haruo. Condenser. (Convention No. H11-152890 filed on 31-05-1999 in Japan).
- 240/Cal/2000. Thomson Multimedia. Process for recovering operational or error information for software modules of software on board a digital apparatus and associated digital apparatus. (Convention No. 9906051 filed on 07-05-1999 in France).
- 241/Cal/2000. McNeil-PPC, Inc. Absorbent interlabial article (Convention No. 09/310296 filed on 12-05-1999 in U.S.A.).
- 242/Cal/2000. Sonoco Development Inc. Paper mill core structure for improved winding and support of paper mill roll. (Convention No. 09/411,522 filed on 4-10-99 in U.S.A.).
- 243/Cal/2000. F Harley & Co. (P) Ltd. Dust knocker for use air pollution control.

#### National Phase Application For Patent Under PCT (Chapter 1) Filed from 1/2/2000 to 29/2/2000.

National Phase Application No. : IN/PCT/2000/00008.

Date of Receipt : 08 February 2000.

PCT Application No. : PCT/EP99/03863.

PCT Filing Date : 04 June 1999.

Applicant(s) &amp; Inventor(s) : ARZNEIMITTELWERK DRESDEN GMBH.

Title : PYRAZOLO (3, 4-D) PYRIMIDINES WITH ANTICONVULSIVE AND ANTIALLERGIC/ANTI-ASTHMATIC ACTION.

Priority No. : 198 27 679,6

Priority Date : 04 June 1999.

National Phase Application No. : IN/PCT/2000/00009.

Date of Receipt : 09 February 2000.

PCT Application No. : PCT/US99/10289.

PCT Filing Date : 11 May 1999.

Applicant(s) : EMERSON ELECTRIC CO.

Applicant(s) &amp; Inventor(s) : EMERSON ELECTRIC CO.

Title : RADIANT HEATER ELEMENT FOR USE IN GRILLS AND THE LIKE.

Priority No. : 09/075,960.

Priority Date : 11 May 1999.

National Phase Application No. : IN/PCT/2000/00010.

Date of Receipt : 14 February 2000.

PCT Application No. : PCT/EP99/03638.

PCT Filing Date : 26 May 1999.

Applicant(s) &amp; Inventor(s) : NOF CORPORATION.

Title : METHOD FOR FORMING COATING FILM AND COATING COMPOSITION.

Priority No. : TO98A000454.

Priority Date : 27 May 1998.

National Phase Application No. : IN/PCT/2000/00011.  
 Date of Receipt : 14 February 2000.  
 PCT Application No. : PCT/EP99/03971.  
 PCT Filing Date : 09 June 1999.  
 Applicant(s) & Inventor(s) : TECHNOMAGNETE S.P.A.  
 Title : MANUALLY CONTROLLED MAGNETIC ANCHORING DEVICE.  
 Priority No. : MI98A001356.  
 Priority Date : 15 June 1998.

National Phase Application No. : IN/PCT/2000/00012.  
 Date of Receipt : 15 February 2000.  
 PCT Application No. : PCT/GB99/01915.  
 PCT Filing Date : 16 June 1999.  
 Applicant(s) & Inventor(s) : GRAVESON ENERGY MANAGEMENT LTD.  
 Title : GASIFICATION REACTOR APPARATUS.  
 Priority No. 9812984.4.  
 Priority Date : 16 June 1998.

National Phase Application No. : IN/PCT/2000/00013.  
 Date of Receipt : 15 February 2000.  
 PCT Application No. PCT/GB99/01919.  
 PCT Filing Date : 16 June 1999.  
 Applicant(s) & Inventor(s) : GRAVESON ENERGY MANAGEMENT LTD.  
 Title : BURNER.  
 Priority No. : 9812975.2.  
 Priority Date : 16 June 1998.

National Phase Application No. : IN/PCT/2000/00014.  
 Date of Receipt : 15 February 2000.  
 PCT Application No. : PCT/CA99/00564.  
 PCT Filing Date : 15 June 1999.  
 Applicant(s) & Inventor(s) : AIRBORNE INDUSTRIAL MINERALS Inc.  
 Title : METHOD OF PRODUCING POTASSIUM SULFATE.  
 Priority No. : 60/089,630.  
 Priority Date : 16 June 1998.

National Phase Application No. : IN/PCT/2000/00015.  
 Date of Receipt : 16 February 2000.  
 PCT Application No. : PCT/IT99/00180.  
 PCT Filing Date : 22 June 1999.  
 Applicant(s) & Inventor(s) : BERNARDINI GIUSEPPE.  
 Title : HUMAN POWERED VEHICLE WITH AT LEAST TWO WHEELS.  
 Priority No. : MI98A000415.  
 Priority Date : 22 June 1998.

National Phase Application No. : IN/PCT/2000/00016.  
 Date of Receipt : 21 February 2000.  
 PCT Application No. PCT/JP99/04636.  
 PCT Filing Date : 27 August 1999.  
 Applicant(s) & Inventor(s) : NTT MOBILE COMMUNICATIONS NETWORK, INC.  
 Title : PUSH-TYPE INFORMATION TRANSMISSION METHOD AND TRANSFER DEVICE THEREOF.  
 Priority No. : 10-242318.  
 Priority Date : 27 August 1998.

National Phase Application No. : IN/PCT/2000/00017.  
 Date of Receipt : 21 February 2000.  
 PCT Application No. : PCT/JP99/04637.  
 PCT Filing Date : 27 August 1999.  
 Applicant(s) & Inventor(s) : NTT MOBILE COMMUNICATIONS NETWORK, INC.  
 Title : BILLING METHOD FOR COMMUNICATION NETWORK.  
 Priority No. : 10-242319.  
 Priority Date : 27 August 1998.

National Phase Application No. : IN/PCT/2000/00018.  
 Date of Receipt : 28 February 2000.  
 PCT Application No. : PCT/KR99/00350.  
 PCT Filing Date : 30 June 1999.  
 Applicant(s) & Inventor(s) : PARK HYUNG SIK.  
 Title : PERSONAL POST OFFICE BOX SYSTEM- USING TELEPHONE LINK.  
 Priority No. : 1998-25492.  
 Priority Date : 30 June 1998.

National Phase Application Filed in the Patent Office Branch, Delhi For Patent under PCT (Chapter-1) from 1/2/2000 to 29/2/2000.

National Phase Application No. : IN/PCT/2000/00004/  
 DEL dated 2-2-2000.  
 Corresponding PCT Application No. : PCT/IB98/01130  
 dated 27-7-98.  
 Priority document No. : 08/902.817, U.S.A.  
 Priority document date : 30-7-97.  
 Name of Applicant : Robert rfephen climatteo.  
 Title of Invention : "Thermophotovoltaic semiconductor device".

National Phase Application No. : IN/PCT/2000/00005/  
 DEL dated 3-2-2000.  
 Corresponding PCT Application No. : PCT/US99/13796  
 dated 18-6-99.  
 Priority document No. : 09/102, 123, U.S.A.  
 Priority document date : 19-6-98.  
 Name of Applicant : General Electric Company.  
 Title of Invention : "Paired Interlocks for stacking of non-Rotated Lamination cores".

National Phase Application No. : IN/PCT/2000/00006/  
DEL dated 4-2-2000.

Corresponding PCT Application No. : PCT/CH99/00318  
dated 13-7-99.

Priority document No. : 1511/98, Switzerland.

Priority document date : 16-7-98.

Name of Applicant : Reichle & De-Mamari Ag.

Title of Invention : "Contact Assembly for multiple connection Strap".

National Phase Application No. : IN/PCT/2000/00007/  
DEL dated 4-2-2000.

Corresponding PCT Application No. : PCT/IB98/01699  
dated 4-8-98.

Priority document No. : B097A 000489, Italian.

Priority document date : 4-8-97.

Name of Applicant : Exper S. A. S. DI Peroni G. A. C.,

Title of Invention : "A method and apparatus for transferring objects".

National Phase Application No. : IN/PCT/2000/00008/  
DEL/dated 4-2-2000.

Corresponding PCT Application No. : PCT/US99/14171  
dated 18-6-99.

Priority document No. : 09/099,726, U.S.

Priority document dated : 19-6-98.

Name of Applicant : Lonza Inc.

Title of Invention : "Stabilized mixtures of an iodoparazyl compound and formaldehyde Donor".

National Phase Application No. : IN/PCT/2000/00009/  
DEL dated 9-2-2000.

Corresponding PCT Application No. : PCT/US99/07347  
dated 7-4-99.

Priority document No. : 98870073.8, EPO & 98870243.7,  
EPO.

Priority document dated : 8-4-98 & 9-11-98.

Name of Applicant : The Procter & Gamble Company.

Title of Invention : "A packaged product".

National Phase Application No. : IN/PCT/2000/00010/  
DEL dated 10-2-2000.

Corresponding PCT Application No. : PCT/US99/12826  
dated 22-6-99.

Priority document No. : 09/102.632, U.S.A.

Priority document date : 23-6-98.

Name of Applicant : General Electric Company.

Title of Invention : "Modular Protective relay with reeb-modules.

National Phase Application No. : IN/PCT/2000/00011/  
DEL dated 10-2-2000.

Corresponding PCT Application No. : PCT/GR99/00019  
dated 11-5-99.

Priority document No. : 980100173, Greece.

Priority document date : 12-5-98.

Name of Applicant : Dermitzakis Emmanuil.

Title of Invention : "Low discharge Emitters".

National Phase Application No. : IN/PCT/2000/00012/  
DEL dated 10-2-2000.

Corresponding PCT Application No. : PCT/US99/12459  
dated 4-6-98.

Priority document No. : 09/090958, U.S.

Priority document date : 5-6-98.

Name of Applicant : General Electric Company.

Title of Invention : "Terminal Block for a protective relay".

National Phase Application No. : IN/PCT/2000/00013/  
DEL dated 10-2-2000.

Corresponding PCT Application No. : PCT/US99/12458  
dated 4-6-99.

Priority document No. : 09/090,957, U.S.

Priority document date : 5-6-98.

Name of Applicant : General Electric Company.

Title of Invention : "Protective relay with modular control pane.

National Phase Application No. : IN/PCT/2000/00014/  
DEL dated 15-2-2000.

Corresponding PCT Application No. : PCT/US99/12460  
dated 4-6-99.

Priority document No. : 09/092.030, U.S.

Priority document date : 5-6-98.

Name of Applicant : General Electric Company.

Title of Invention : "Redundant communications in a protective relay.

National Phase Application No. : IN/PCT/2000/00015/  
DEL dated 17-2-2000.

Corresponding PCT Application No. : PCT/KR99/00290  
dated 16-7-99.

Priority document No. : 98-29460, KR.

Priority document date : 22-7-98.

Name of Applicant : KIM, Bok-Deuk.

Title of Invention : "Bovine Excretion Extracts having anticancer and anti-inflammatory activity and process for preparing the same".

#### ALTERATION OF DATE

184093 (844/Del/90) filed on 24-9-90 Ante-dated to 22-9-87.

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of a patent on any of the applications concerned, may, at any time within four months from the date of this issue or within such further period not exceeding one month if applied for on Form 4 prescribed under the Patent (Amendment) Rules, 1999 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office on the prescribed Form 7 of such opposition. The written statement of opposition should be filed in duplicate alongwith evidence, if any, with said notice or within sixty days of its date as prescribed in Rule 36 as amended by the Patents (Amendment) Rules, 1999.

The Classification given below in respect of each specification are according to Indian Classification and International Classification Systems.

Printed copies of the specification and drawings, if any, can be supplied by the Patent Office or its branch offices on payment of prescribed charges of Rs. 30/- each.

In the event of non-availability of printed specification, photocopies of the specification and drawings, if any, can be supplied by the Patent Office and its branch offices on payment of prescribed photocopy charges @ Rs. 10/- per page of such document plus Rs. 30/-.

### स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि संबद्ध आवेदनों में से किसी पर पेटेंट अनुदान के विरोध करने के इच्छुक व्यक्ति, इसकी निर्णय की तिथि से चार (4) महीने या अधिक ऐसी अवधि जो उक्त चार (4) महीने की अवधि की समाप्ति के पूर्व, पेटेंट (संशोधन) नियम, 1999 के तहत विहित प्ररूप 4 पर अगर आवेदित हो, एक महीने की अवधि से अधिक न हो, के भीतर कभी भी निबंधक एकत्र को उपयुक्त कार्यालय में ऐसे विरोध का सूचना विहित प्ररूप 7 पर दे सकते हैं। विरोध संबंधी लिखित दस्तावेजों में प्रतियों में साक्ष्य के साथ, यदि कोई हो, उक्त सूचना के साथ या पेटेंट (संशोधन) नियम, 1999 द्वारा संशोधित नियम 36 के तहत यथाविहित उक्त सूचना की तिथि से 60 दिन के भीतर फाइल कर दिये जाने चाहिए।

प्रत्येक विनिर्देश के संदर्भ में नीचे दिये वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुरूप हैं।

विनिर्देश तथा चित्र आरंभ, यदि कोई हो, की अंतिम प्रतियों की आपूर्ति पेटेंट कार्यालय या उसके शाखा कार्यालयों से यथाविहित 30/- रुपये प्रति की अदायगी पर की जा सकती है।

ऐसी परिस्थिति में जब विनिर्देश की अंतिम प्रति उपलब्ध नहीं हो, विनिर्देश तथा चित्र आरंभ, यदि कोई हो, की प्रतियों की आपूर्ति पेटेंट कार्यालय या उसके शाखा कार्यालयों से यथाविहित प्रत्येक प्रतिलिपि शुल्क उक्त दस्तावेज के 10 रुपये प्रति पृष्ठ धन 30/- रुपये की अदायगी पर की जा सकती है।

Ind. Cl. : 80 C, E, K

184091

Int. Cl. : E 03 B, 7/07

A PROCESS FOR THE PREPARATION OF SILVER IMMOBILIZED ACTIVATED POROUS MATERIAL USEFUL FOR DRINKING WATER FILTERS.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors :

RAVINDRA KUMAR SHARMA, INDIA.

SANJAY KUMAR, INDIA.

& PRASANTA KUMAR RAY, INDIA

Application for Patent No. 1181/Del/89 filed on 13th December, 89.

Complete left after Provisional Specification filed on 10-07-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

### 6 Claims

A process for the preparation of silver immobilized activated porous material useful for drinking water filters, which comprises dissolving silver nitrate in aqueous ammonia to get ammoniacal silver nitrate mixing the ammoniacal silver nitrate solution with porous material such as activated alumina or zeolite keeping the mixture in dark at room temperature for a period of 20 minutes, adding formaldehyde solution with thorough mixing at room temperature, allowing the resultant mixture to stand for 10 minutes, washing with water and drying the silver immobilized activated porous material, so formed to remove the water.

(Compl. Specn. 4 Pages;

Drgn. Sheet Nil)

(Provl. Specn. 9 Pages;

Drgn. Sheet Nil)

Ind. Cl. : 206 LXII

184092

Int. Cl. : H 03 M; 1/00

ELECTRONIC DEVICE PROVIDING A DIGITAL INDICATION OF THE DETECTED PHASE.

Applicant : TELEFONAKTIEBOLAGET LM ERICSSON, A CORPORATION ORGANISED UNDER THE LAWS OF SE., O FS-126 25 STOCKHOLM, SWEDEN.

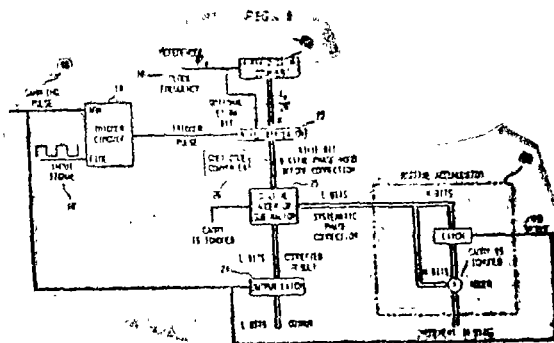
Inventor : PAUL W. DENT SE.

Application for Patent No. 0295/Del/91 filed on date 9-4-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

### 30 Claims

An electronic device for producing a digital value which is representative of instantaneous phase of an electrical input signal relative to a reference frequency signal. The device includes a digital counter for continuously generating a stored count representing a value resulting from dividing the reference frequency signal by a repeating count cycle frequency which is of the same order as an expected center frequency of the electrical input signal. A trigger unit produces a trigger pulse in response to the trigger unit receiving a sampling pulse and transition edge of the electrical input signal. An intermediate register stores a momentary state of the counter circuit in response to receiving the trigger pulse. The momentary state of the counter circuit corresponds to an instantaneous phase value of the electrical input signal. A correcting a resulting numerical value in the intermediate register by removing an accumulating phase offset value. An output register is provided for storing the corrected resulting numerical value of the counter circuit.



(Compl. Specn. 35 Pages;

Drgns. Sheets 5)

Ind. Cl. : 128 G

184093

Int. Cl.<sup>4</sup> : B 01 L 5/00 E 03 B 9/14**APPARATUS FOR SUPPORTING A HOUSING FROM A SUPPORT.**

Applicant : DEKNATEL TECHNOLOGY CORPORATION, OF 600 AIRPORT ROAD, P. O. BOX 2980, FALL RIVER, MASSACHUSETTS 02722-2980, USA.

Inventors :

RICCARDO QUERCIA, USA.

QUINTON JAMES FARRAR, USA. &amp;

FREDERICK ALAN EVERETT, JR., USA.

Application for Patent No. 944/Del/90 filed on 24th Sep. 1990.

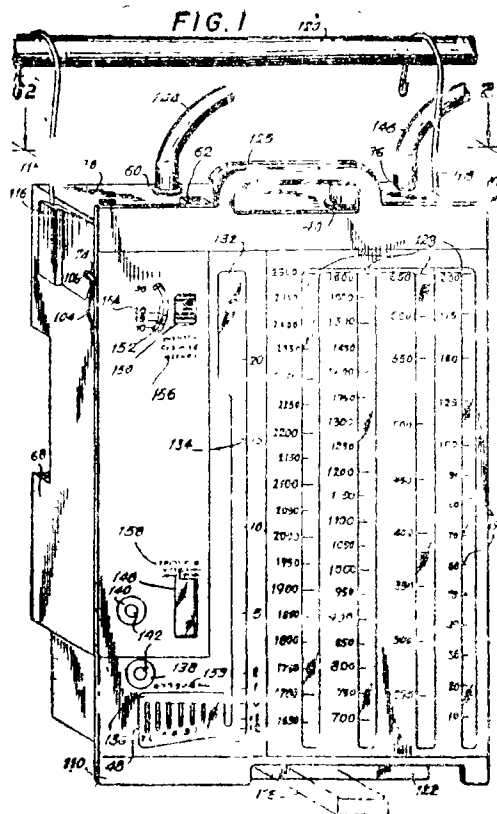
Divisional out of Patent App. No. 833/Del/87 dt. 22-09-87.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

## 7 Claims

An apparatus (118) for supporting a housing from a support, (120) said apparatus comprising :

a post member; (276) and a hook member (278) having one end rotatably secured about said post member (276) for selective rotational movement from a first storage position to a second hanging position and configured for locking said hook member (278) in said second hanging position. the other end of the hook member (278) being configured for engagement with said support, (120) a bracket member (116) formed of at least one wall (274, 282) and having the post member (276) extending therefrom towards an opposing wall (272) and configured for locking said hook member (278) in said second hanging position.



(Compl. Specn. 42 Pages;

Drgns. Sheets 11)

Ind. Cl. : 136 E.

184094

Int. Cl.<sup>4</sup> : B 28 B 17/00**DRY SOIL BRICK MOULDING MACHINE.**

Applicant : HARINDER SINGH CHEEMA, AN INDIAN NATIONAL OF CHEEMA ENGINEERING SERVICES, FIRST FLOOR, HIMALAYAN PACKAGING INDUSTRIES, BIZPUR-262401, RAINITAL, UTTAR PRADESH, INDIAN.

Inventor : HARINDER SINGH CHEEMA, INDIAN.

Application for Patent No. 391/Del/1991 filed on 10th April, 91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

## 7 Claims

A Brick Moulding Machine for Production of Bricks Comprising a frame (F) for supporting at least one mould (K) having sidewalls, (E) a displaceable top plate (G) and a displaceable bottom plate (B) disposed therein, characterised in that drive means for displacing said bottom plate (B) being provided below the bottom end of said mould (K) for displacing the formed brick towards the top and of said mould, (K) means for displacing said top plate (G) being provided above the top end of said mould (K) for facilitating the discharge of the formed brick and feeding mud into said mould, (K) a displaceable charging bucket (I) being provided at one side of said mould (K) such that to travel on a platform TP for feeding dry mud into said mould, (K) drive means for displacing said charging bucket (I) towards and away of said mould being provided on the same side as of said bucket, (I) a hopper (J) being provided for feeding said charging bucket (I) with dry mud.

(Compl. Specn. 9 Pages;

Drgn. Sheet 1)

Ind. Cl. : 128 G

184095

Int. Cl.<sup>4</sup> : A 22 B 5/04**AN APPARATUS FOR PREPARING A CONCENTRATE OF COAGULATION FACTORS, FROM A BLOOD SAMPLE.**

Applicant : E R SQUIBB & SONS, INC., OF LAWRENCE VILLE-PRINCETON ROAD, PRINCETON, NEW JERSEY 08543-4000, UNITED STATES OF AMERICA.

Inventors :

ULLA WEIS-FOGH, DENMARK.

SOREN HERN, DENMARK. &amp;

NIELS ERIK HOLM, DENMARK.

Application for Patent No. 399/Del/91 filed on 6th May, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

## 18 Claims

An apparatus for preparing a concentrate of coagulation factors from a blood sample, said apparatus comprising a first chamber (14) for collection and separation of said blood sample so as to separate a plasma fraction, a second chamber (15) for collection of said plasma fraction through a transfer means (22, 30, 116, 118, 119) and a valve (24, 117) for preparation of said concentrate, as well as means (34, 106) for receiving a syringe for transferring said concentrate from the second chamber (15) to the syringe, characterised in that the first and the second chamber (14, 15) are partially defined by the same integrally formed solid container wall (2, 13) and comprise a common partition, (4, 100) and

that the first chamber (14) comprises a piston means (3) displaceable both in connection with said blood sample collection and transfer of said plasma fraction to the second chamber (15) and in connection with returning said plasma fraction to the first chamber (14) upon the preparation of the concentrate.

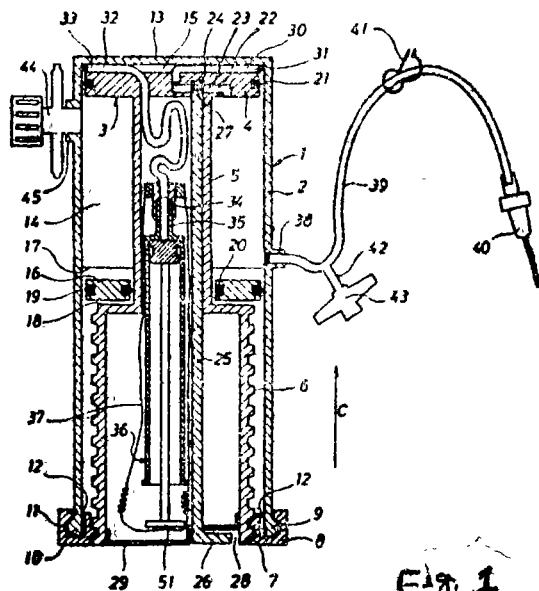


Fig. 1

(Compl. Specn. 24 Pages;

Drgn. Sheets 6)

Ind. Cl. : 123

184096

Int. Cl.<sup>4</sup> : C 05D 1/04

**A PROCESS FOR THE EXTRACTION OF POTASH FROM GLAUCONITIC SANDSTONE USING A DOUBLE SALT USEFUL FOR FERTILISER APPLICATION.**

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001, (INDIA) AN INDIAN REGISTERED BODY, INCORPORATED UNDER REGISTRATION OF SOCIETIES ACT.

Inventors :

RAKESH KUMAR RAWLLEY, INDIA.

SUDHIR SITARAM AMRITPHALE, INDIA.

Application for Patent No. 566/Del/91 filed on 27-06-91.

Complete left after provisional filed on 18-11-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

#### 4 Claims

A process for the extraction of potash from glauconitic sandstone using a double salt useful for fertiliser application, which comprises crushing and grinding the glauconitic sandstone to obtain a powder of -52 mesh BSS size, mixing it intimately with a powder of calcium chloride dihydrate and common salt both of -52 mesh BSS size in a ration in the range 1:0.1 to 1:0.75 and 1:0.2 to 1:1.0 respectively, heating the said mixture at a temperature in the range of 600-850°C for a period in the range of 15 to 60 minutes, leaching the resultant product with water to obtain potash in solution form and, if required isolating the salt in solid form by known methods such as fractional crystallisation.

(Provl. Specn. 10 Pages;

Drgn. Sheet Nil)

(Compl. Specn. 13 Pages;

Drgn. Sheet Nil)

Ind. Cl. : 123

184097

Int. Cl.<sup>4</sup> : C 05, D 1/04

**A PROCESS FOR THE EXTRACTION OF POTASH FROM FELDSPAR USEFUL FOR FERTILISER APPLICATION.**

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001, (INDIA) AN INDIAN REGISTERED BODY, INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

Inventors :

SUDHIR SITARAM AMRITPHALE, INDIA.

RAKESH KUMAR RAWLLEY, INDIA.

Application for Patent No. 567/Del/91 filed on 27-06-91.

Complete left after Provisional filed on 06-08-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

#### 6 Claims

A process for the extraction of potash from feldspar useful for fertiliser application which comprises crushing and grinding the feldspar to obtain a powder of -100 mesh BSS size, mixing it intimately with a powder of calcium chloride dihydrate and common salt both of -52 mesh BSS size in a ratio of 1:0.3 to 1:1 and 1:0.25 to 1:1.25 respectively, heating the mixture at a temperature of 650 to 900°C for a period of 15 to 60 minutes, leaching the resultant product with water to obtain potash in solution form, and if required isolating in solid form by known methods.

(Provl. Specn. 8 Pages;

Drgn. Sheet Nil)

(Compl. Specn. 11 Pages;

Drgn. Sheet Nil)

Ind. Cl. : 31 A

184098

Int. Cl.<sup>4</sup> : C 25 D, 3/00

**AN IMPROVED ELECTROLYTIC PROCESS FOR THE SIMULTANEOUS RECOVERY OF SILVER AND FERRICYANIDE.**

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001, INDIA.

Inventors :

NATARAJAN SATHAIYAN, INDIAN.

PITCHAI MUTHU ADAIKKALAM, INDIAN.

SRINIVASA IYER VISVANATHAN, INDIAN.

Kind of Application : Provisional-Complete.

Application for Patent No. 1138/Del/91 filed on 22-11-91.

Complete left after Provisional filed on 15-7-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

#### 2 Claims

An improved electrolytic process for the simultaneous recovery of silver and ferricyanide which comprises : (I) electrolyzing the anolyte selected from commercial spent bleach solution of pH 6.7 and catholyte selected from commercial fixer solution of pH 4.9 in a known divided cell having a cation exchange membrane (CEM) diaphragm enclosing a rotating cathode made of PVC covered with SS and anode consisting of MS coated with Ni at a cathode potential of -0.60 V Vs (saturated calomel electrode) SCE, temperature 303 K, peripheral speed of the rotating cathode of 60 cm. S-1 for a period of 2 hours at a cathode current density in the range of 17 to 180 A.m<sup>-2</sup> at an anode current density in the range of 5 to 5.9 A.m<sup>-2</sup> and cell voltage in the range of 1.50 to 1.90 V.

(Provl. Specn. 10 Pages;

Drgn. Nil Sheet)

(Compl. Specn. 13 Pages;

Drgn. Nil Sheet)



Ind. Cl. : 27 DL

184099

Int. Cl.<sup>4</sup> : E 02 D 5/00, 27/12

AN IMPROVED PROCESS FOR THE PREPARATION OF GRANULAR PILE FOR REINFORCEMENT OF WEAK SOILS AND FOR PROVIDING FIRM SETTLEMENT FREE FOUNDATION.

Applicant: COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001, INDIA.

Inventor: BHAGWAN GOVIND RAO, INDIAN.

Application for Patent No. 1159/Del/91 filed on 26-11-91

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

## 6 Claims

An improved process for the preparation of granular pile for reinforcement of weak soil and for providing firm settlement free foundation which comprises preparing a plurality of drilled holes in the ground where the soil is weak, pouring cement concrete to the bottom of the said hole(s) for a thickness ranging from 150 mm to 200 mm, a tie bar welded with a steel plate as reinforcement being placed into the said hole(s) and pouring another layer of cement concrete for a thickness ranging from 150mm-200 mm, compacting the concrete by conventional method, allowing the concrete layers to cure for a period of 24 hours, pouring stone aggregate each layer by conventional method thereby obtaining the granular pile.

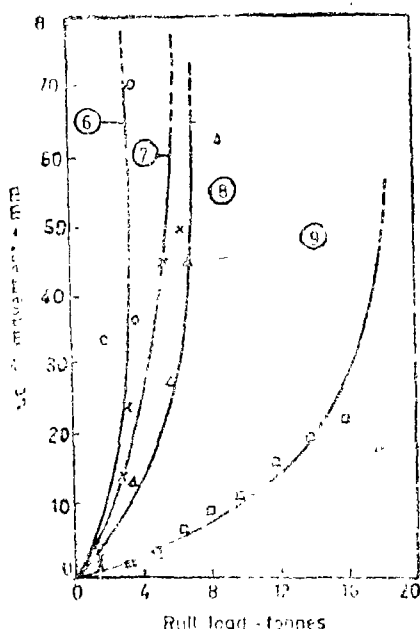


FIG. 2

(Compl. Specn. 33 Pages)

Drgns. 7 sheets)

Ind. Cl. : 55-F, 39 M

184100

Int. Cl.<sup>4</sup> : A 61 F 2/02.

AN IMPROVED PROCESS FOR THE PRODUCTION OF BETA-TRICALCIUM PHOSPHATE POWDER USEFUL FOR BIOMEDICAL APPLICATIONS.

Applicant: COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001, INDIA.

2-10/ GI/2000

Inventors :

MITHLESH KUMAR SINHA, INDIAN

PARTHASARATHI SEN, INDIAN

MANOJ KUMAR BASU, INDIAN.

Application for Patent No. 1230/Del/94 filed on 29-9-94.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

## 4 Claims

An improved process for the production of beta-tricalcium phosphate powder useful for bio-medical applications which comprises :

- (i) dispersing 0.6 to 6.8 mol of calcium hydroxide in distilled water,
- (ii) stirring vigorously the resulting suspension and adding 0.4 to 0.53 mol of ortho-phosphoric acid solution dropwise,
- (iii) maintaining the temperature of the reaction mixture in the range of 40° to 90°C,
- (iv) allowing the gelatinous precipitate formed in step (iii) to age by keeping it for a period ranging from 20 to 30 hours,
- (v) separating the aged gelatinous precipitate by known methods and washing it with distilled water,
- (vi) followed by drying the precipitate at a temperature in the range of 60° to 80°C,
- (vii) calcining the dried powder by heating at a temperature in the range of 900° to 1100°C for a period in the range of 2 to 4 hours.

(Compl. Specn. 12 Pages)

Drgns. : 2 sheets)

Ind. Cl. : 32 F3 C, 40 B

184101

Int. Cl.<sup>4</sup> : C 07 C 39/00.

AN IMPROVED PROCESS FOR THE SEPARATION OF CATECHOL AND HYDROQUINONE (DIHYDROXYBENZENE ISOMERS) USING ZEOLITE BETA-H.

Applicant: COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001, INDIA.

Inventors :

PRAMOD PRABHAKAR MOGHE, INDIAN

PAUL RATNASAMY, INDIAN

RAMNATH NARAYAN BHAT, INDIAN

SURYAKANT GANESH HEGDE, INDIAN

ASHWINI VINAYAK POL, INDIAN

PRAKASH KONDIRA BAHIRAT, INDIAN

Application for Patent No. 440/Del/91 filed on 21-5-91.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

## 4 Claims

An improved process for the separation of catechol and hydroquinone (dihydroxybenzene isomers) using zeolite beta-H which comprises passing the dihydroxybenzene mixture produced during hydroxylation of phenol, through a column containing Zeolite beta-H, eluting the resultant absorbate with an organic solvent such as herein described, and separating the absorbate by selectively dissolving catechol and/or hydroquinone in the other at a temperature in the range of 20° to 53° at a normal atmospheric pressure.

(Compl. Specn. 9 Pages)

Drgns. Nil sheets)



Inventor :  
NEVILLE DHUNJISHAW KAPADIA, INDIAN.

Ind. Cl. : 40F.

184105

Int. Cl. : C 07B 33/00.

Application for Patent No. 741/Del/91 Filed on 12th Aug. 1991.

Appropriate office for opposition proceedings Rule 4, (Patents Rules 1972) Patent Office Branch, New Delhi 110 005.

## 16 Claims

A rolling piston compressor comprising :

a casing; (12)

An eccentric (16) mounted within the casing; (12)

A radially acting annular spring member (20) having an inner surface, said radially acting spring member (20) being outwardly disposed of the outer surface of the eccentric; (16)

a plurality of rolling elements (18) disposed between said outer surface of said eccentric (16) and said inner surface of said radially acting spring member (20);

and a rolling piston, (22) circumferentially mounted on the, and fixed relative to the radially acting annular spring member, (20) said piston (22) being continually biased into contact with the casing (12) by the radially acting annular spring member (20).

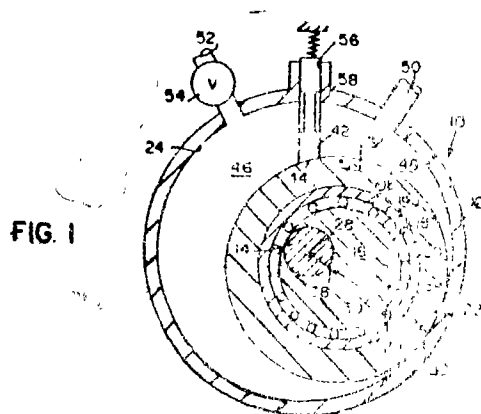


FIG. 1

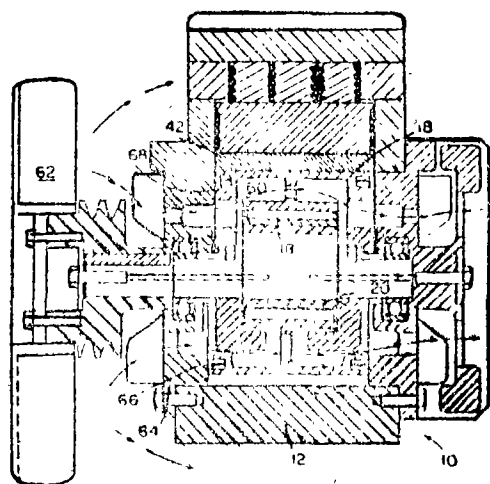


FIG. 3

(Complete Specification : 16 Pages; Drawing Sheets : 3).

"A PROCESS FOR THE OXIDATION OF CARBON MONOXIDE AND HYDROCARBONS TO CARBON DIOXIDE USING LANTHANUM DOPED INDIAN OCEAN MANGANESE NODULES".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110 001, (INDIA) AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

Inventors :

KULAMANI PARIDA—INDIA,  
SREEPADA BHANOJEE RAO—INDIA.

Application for Patent No. 751/Del 91 Filed on 14-08-1991.

Complete left after Provisional Filed on 02-11-1992.

Appropriate office for opposition proceedings Rule 4, (Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

## 5 Claims

A process for the oxidation of carbon monoxide and hydrocarbons to carbon dioxide using lanthanum doped Indian Ocean manganese nodules which comprises :—

Passing gaseous mixture containing 2 to 4% carbon monoxide and 1 to 2% hydrocarbons and air over Lanthanum doped Indian Ocean manganese nodules catalyst heated to 50 to 300°C for 1 to 6 hrs to effect oxidation of carbon monoxide and hydrocarbons to carbon dioxide.

(Provl. Specn. : 4 Pages;

Drg Sheet : Nil)

(Compl. Specn. : 7 Pages;

Drg Sheet : Nil)

Ind. Cl. : 206E

1841

Int. Cl. : C 30 B 15/20.

A DEVICE USEFUL FOR CONTROLLED FORMATION OF THIN FILMS OF A MATERIAL PARTICULARLY SEMICONDUCTOR MATERIAL ON A SUBSTRATE AND A PROCESS FOR THE PREPARATION OF THIN FILM OF A MATERIAL, PARTICULARLY COMPOUND SEMICONDUCTOR MATERIAL USING THE DEVICE FOR APPLICATION IN FABRICATION OF THIN FILM SOLAR CELLS

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110001, INDIA.

Inventor(s) :

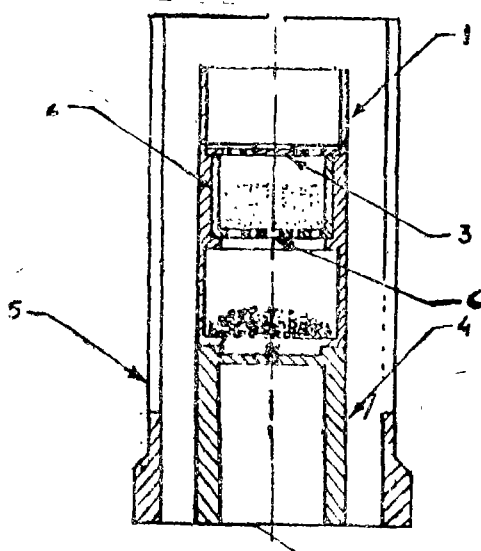
ALOK CHANDRA RASTOGI, INDIA  
KOCHUVEEDU SARAASWATHI B/LAKRISHNAN, INDIA  
SAJI SALKALACHEN, INDIA

Application for Patent No. 824/Del/91 filed on 5-9-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

### 5 Claims

A device useful for the formation of thin films of a material particularly semiconductor material on a substrate, which comprises a hollow cylindrical graphite crucible (1) for holding the material to be evaporated, the crucible (1) being open at the top and closed at the bottom, the said crucible (1) is removably fixed on a hollow graphite cylindrical pedestal (4), the said pedestal (4) is closed at the top and open at the bottom, the top of the said pedestal (4) being provided with means for fixing a thermocouple for measuring the temperature of the evaporant material, a removable graphite quartz frit carrier cylinder (2) has a plurality of equidistant holes around its center being placed inside crucible (1) in such a manner that there is a gap between the evaporant material and the bottom of the quartz frit carrier cylinder (2), the frit carrier cylinder (2) provided with a fixed base (6) and removable lid (3), both the fore and being provided with a plurality of holes for the passage of the evaporant, the above said assembly of cylinders 1, 2 and 4 being placed inside a graphite cylinder (5) having means for uniform heating.



(Compl. Specn. 12 Pages

Drawings 1 Sheet)

Ind. Cl. : 32 B

184107

Int. Cl.<sup>4</sup> : C 07 C 11/00.

AN IMPROVED PROCESS FOR THE CONVERSION OF ALCOHOL TO A MIXTURE OF OLEFINS.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA.

Inventors :

SWAPAN KUMAR SAHA, INDIA  
SUBRAMANIAN SIVASANKER, INDIA  
POLLAPRAGADA SESHAGIRI RAO, INDIA  
RAFIQUE AHMED SHAIKH, INDIA  
IKKANDATH BALAKRISHNAN, INDIA  
PAUL RATNASAMY, INDIA.

Application for Patent No. 853/Del/91 filed on 13-9-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

### 2 Claims

An improved process for the direct conversion of aqueous ethanol into a mixture of ethylene, propylene and butenes which comprising of passing a mixture of ethanol and water vapours over a catalyst containing a metallosilicate of the general composition in terms of mole ratios : 0-0.4 Na<sub>2</sub>O : M<sub>2</sub>O<sub>3</sub> : 30-300SiO<sub>2</sub> : 0-10H<sub>2</sub>O where M is iron, lanthanum, bora aluminium, gallium or mixtures thereof and occurs in the crystal lattice alongwith silica, and may contain in addition one or two elements from the group zinc, nickel or phosphorus, the metallosilicate being additionally characterised by the x-ray diffraction pattern as herein described and separating the said ethylene, propylene and butenes from the resultant products by conventional methods.

(Complete Specn. 12 Pages

Drawings Nil Sheet)

Ind. Cl. : 55D2, 32a(a)

184108

Int. Cl.<sup>4</sup> : A 01N 37/00

AN IMPROVED PROCESS FOR THE PREPARATION OF DIALKYL 2,2,2-TRICHLOROETHYLIDENE PROPANEDIOATE.

Applicant :

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, (INDIA).

Inventor (s) :

ABDUL RAKEEB ABDUL SUBHAN DESHMUKH-INDIA,  
DWARKANATH GOVIND PANSE-INDIA,  
BABURAO MANIKRAO BHAWAL-INDIA.

Application for Patent No. 1255/Del/94 Filed 05-10-94.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005

### 5 Claims

An improved process for the preparation of dialkyl 2,2,2-trichloroethylidene propanedioate which comprises of heating a mixture of dialkyl malonate, 1,1,1-trichloroacetaldehyde and acetic anhydride in presence of a non corrosive heterogeneous acid catalyst such as herein described at the temperature in the range of 60° to 150°C, filtering the reaction mixture to remove the catalysts and recovering dialkyl 2,2,2-trichloroethylidene propanedioate from the filtrate by fractional distillation.

(Compl. Spec. 9 pages

Drawing Sheet Nil).

Ind. Cl. : 55 Ea.

184109

Int. Cl.<sup>4</sup> : A 61 K 31/00.

A PROCESS FOR PREPARING NOVEL UNANI COMPOSITION (JIGIRINA) FOR THE TREATMENT OF VIRAL HEPATITIS AND JAUNDICE

Applicant :

KAKIM ABDUL HAMEED,  
INDIA, HAMDAR MANZUL,  
HUMDARD MARG,  
DELHI-110006. INDIA.

Inventor : HAKIM ABDUL HAMEED—INDIAN,

Application for Patent No. 450/Del/95 filed on 14th March, 1995

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

#### 4 Claims

A process for preparing the novel unani pharmaceutical composition (Jigrina) in tablet form for the treatment of viral hepatitis and jaundice comprising —

- preparing extracts of rheum emodi (20-30 parts) with alcohol by any known manner.
- powering the following ingredients individually

#### INGREDIENTS AND QUANTITY BY PARTS

*Terminalia arjuna* (Bark)—2-3.

*Achillea millefolium* (whole plants)—2.4-3.5.

*Galea purpuria* (Flower)—1.2-1.8.

*Eclipta alba* (whole plant)—1.2-1.8.

*Andrographis paniculata* (whole plant)—1.2-1.8.

Ammonium chloride (Salt)—0.8-1.2.

- mixing the ingredients in the proportions indicated there against.
- adding the mixture to the extract of rheum emodi

(Compl. Specn. 24 pages

Drawing Sheets Nil)

Ind. Cl. : 55E4, 60x2(b)

184110

Int. Cl. : A 61K 31/00

AN IMPROVED PROCESS FOR THE EXTRACTION OF LIGNANS GLUCOSIDES OF PODOPHYLLOTOXIN.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110 001, INDIA. AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

Inventors :

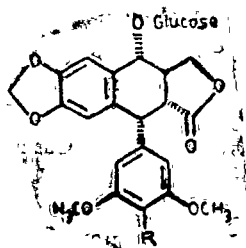
SURINDER MOHAN ANAND—INDIA,  
SATINDER MOHAN JAIN—INDIA,  
RANDHIR SINGH KAPIL—INDIA.

Application for Patent No. 1457/Del/95 filed on 4-8-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

#### 6 Claims

An improved process for the extraction of lignans glucosides of podophyllotoxin of the formula V wherein R=OCH<sub>3</sub> or OH which comprises



- (a) extracting the roots/rhizomes of species *P. emodi* with polar solvents such as petroleum ether, benzene, dichloromethane, 1, 2-dichloroethane, chloroform to afford aglycones of podophyllotoxin and

a residue; separating the said residue by known methods.

- (b) extracting the said residue with polar solvents such as methanol, ethanol to afford additional quantity of aglycones and the glucosides of podophyllotoxins; polyphenolics and their glucosides.
- (c) refluxing the alcoholic extract obtained in step (b) with a neutral metal oxide to give a light yellow solution concentrating the solution thus obtained to afford mixture of glucosides of podophyllotoxin as podophyllotoxin-1-0-B-D glucopyranoside and 4'-demethylpodophyllotoxin 1-0-B-D glucopyranoside in the ratio of 9:1 and other glucosides of polyphenolics.
- (d) recovering and purifying the lignan glucosides of podophyllotoxin having formula V where R has the meaning given above by subjecting the mixture of glucosides obtained in steps (c) to repeated conventional chromatography on silica gel.

(Compl. Specn. 14 pages

Drgs. 2 sheets)

Ind. Cl. : 116 G

184111

Int. Cl. : B 21 D 51/00

B 65 G 47/00

#### A BULK MATERIAL FLATTENING APPARATUS.

Applicant :

RUHRKOHLE AG, A GERMAN COMPANY, OF SHAMROCKRING 1. 44623 HERNE, GERMANY.

Inventor : PHILIP PEARCE.

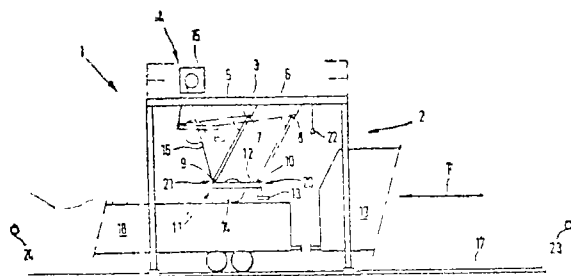
Application No. 41/Mas/94 filed on 24th January 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

#### 15 Claims

A bulk material flattening apparatus (1) for levelling pile cones which develop particularly upon loading railroad freight cars (18) with bulk material, comprising a frame - structure (2) located above a track with an upper frame (3), levelling means (11) provided to compact the bulk material and connected with the upper frame and comprising a lower-frame (12) with a levelling beam, and a levelling roller (14) located downstream in the direction (F) of travel of said freight cars, and hoisting means (4) for moving the levelling means (11) between an upper and lower end position, characterized by a non-contacting sensor arrangement which is connected to the hoisting means (4) by control means for controlling the movement of the levelling means in such a way that collision of the levelling means with a bulk material transporter is prevented, said sensor arrangement comprising at least one first sensor means (20,21) disposed on the levelling means (11) and controlling the height of the freight cars, and at least one second sensor means (22) disposed on the upper frame (3) and controlling measurements of freight cars entering the detection range of said second sensor means and wherein said hoisting means comprises a cable hoisting mechanism, operable at least one high hoisting speed, high speed operation being activated to move said levelling means out of the profile of approaching freight cars, and one lower hoisting speed for levelling operation, and further comprising a cable tautening means for keeping

the hoisting cable permanently in a taut state and allowing for an immediate response of the levelling means to a rapidly approaching freight car.



(Com. Specn. : 17 Pages;

Drags. : 01 Sheet)

Ind. Cl. : 129 G

184112

Int. Cl.<sup>4</sup> : B 21 B 45/08.

"DESCALING DEVICE".

Applicant : SMS SCHLOEMANN-SIEMAG AKTIEN-GESELLSCHAFT, EDUARD-SCHLOEMANN-STRASSE 4, 40237 DUSSELDORF, FEDERAL REPUBLIC OF GERMANY, A GERMAN COMPANY.

Inventors :

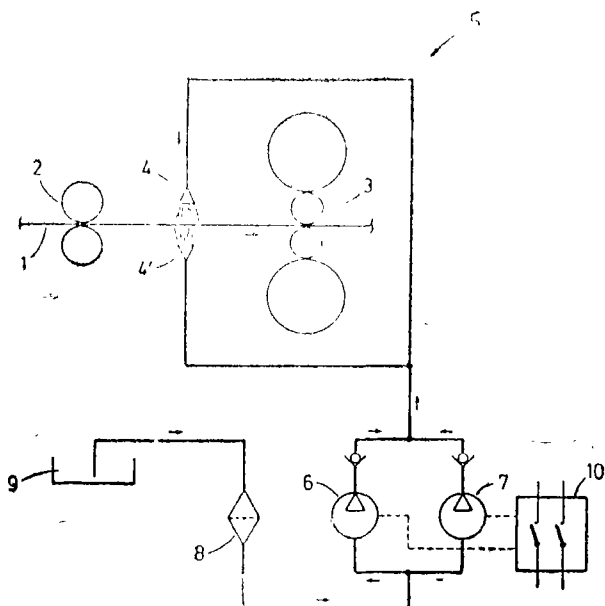
- (1) DIETER ROSENTHAL
- (2) JOACHIM PFEIFFER
- (3) HORST GRAFE
- (4) MAX MUNKER
- (5) BERTHOLD HILD.

Application No. 052/Mas/94 filed on 27th January 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

#### 5 Claims

De-scaling device for slabs (1) or strips in hot rolling mills with at least one row of nozzles (4, 4') fed by a pressurized-water piston pump (6) for removal of scale adhering to the surface, characterized in that at least one further pressurized-water piston pump (7) is provided, that the piston pumps (6, 7) are connected in parallel, and that the pumps (6, 7) are switched on or off separately in dependence on the adhesive-force of the scale to the slabs (1) to be de-scaled.



(Com. Specn. 09 Pages;

Drwgs. 03 Sheets)

Ind. Cl. : 28-E

184113

Int. Cl.<sup>4</sup> : F 23 D 1 /00.

A PROCESS FOR PRODUCING COMBUSTION GASES SUBSTANTIALLY FREE OF SO<sub>x</sub> AND NO<sub>x</sub> POLLUTANTS FROM COAL

Applicant : OWEN W. DYKEMA, A U.S. CITIZEN, OF-- 23429 WELBY WAY, WEST HILLS, CALIFORNIA 91307, U.S.A..

Inventor : OWEN W. DYKEMA, (U.S.A.)

Application No. 55/MAS/94 dated January 28, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

#### 14 Claims

A process for producing combustion gases substantially free of SO<sub>x</sub> and NO<sub>x</sub> pollutants from coal with an increased combustion efficiency, which comprises

(i) introducing a coal and a first oxygen-rich air into a first combustion zone (1a) in a first stage of combustion to form a mixture therein, and subjecting said mixture to combustion in said first combustion zone,

(ii) introducing a basic compound capable of reaction with sulfur generated from the combustion and a first nitrogen rich air into the products of combustion from said first combustion zone in a second combustion zone (1b) to form a mixture therein, and forming solid sulfur-bearing compounds,

(iii) introducing a second oxygen-rich air into the products of combustion from said first combustion stage in a second stage of combustion (2) to form a mixture therein, and reacting said mixture in said second stage of combustion to substantially burn out remaining hydrocarbons and to form a molten slag, and encapsulating the sulfur-bearing compounds therein, and removing a major portion of said molten slag and said sulfur-bearing compounds from the combustion gas stream,

(iv) introducing at least one stream each of additional nitrogen-rich air and oxygen-rich air into the products of combustion of said second stage and reacting the mixture thereof in an additional stage of combustion and cooling the combustion gases, and

(v) recovering the combustion gases.

(Com. -26 pages; Drwgs. -1 sheet)

Ind. Class : 172 D 3

184114

Int. Cl.<sup>4</sup> : D 01 H -7/04

CLAMPING DEVICE FOR CLAMPING A THREAD

Applicant : MASCHINENFABRIK RIETER AG, of CH 8406 Winterthur, Switzerland; a Swiss Company.

Inventors :

- (1) MALINA LUDEK
- (2) TOBLER MARTIN

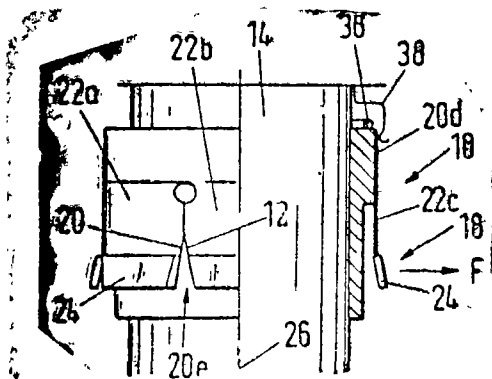
Application No. : 068/MAS/94 filed on 04th February 1994

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

#### 11 Claims

Clamping device for clamping a thread (30) at the foot of a spindle (16) of a spinning machine, the said device comprising at least two elements (22a, 22b) forming a gap (12) and a body (24) connected to at least one of the elements (22a, 22b), the spindle being rotatable in use about its longitudinal axis so that the body (24) rotating with the spindle is moved away from the spindle axis under the action of centrifugal

force thereby causing corresponding movement of said one element, the width (w) of the gap (12) being narrow to clamp the thread between the elements (22a, 22b) when the spindle is not rotating about its axis, the movement of said one element caused by said outward movement of the body (24) increasing the width (w) of the gap (12) to reduce the clamping effect on a thread clamped therein.



(Com. Specn. : 12 Pages; Drawgs. : 02 Sheets)

Ind. Cl. : 201 D

184115

Int. Cl. : C 02 F 3/00.

**A MICROBIAL PROCESS FOR THE BIODEGRADATION OF EFFLUENTS FROM EPICHLOROHYDRIN PLANTS TO AVOID ENVIRONMENTAL-POLLUTION.**

Applicant : SOUTHERN PETROCHEMICAL INDUSTRIES CORPORATION LTD. 97, MOUNT ROAD, CHENNAI-600 032, TAMILNADU, INDIA AN INDIAN COMPANY.

Inventors :

- (1) DR. L. M. VAIKUNDARAJA
- (2) G. ELAMVALUTHI
- (3) DR. RM. KRISHNAN
- (4) DR. R. PALANIAPPAN.

Application No. 76/Mas/94 filed on 8th February 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

#### 5 Claims

A microbial process for the biodegradation of effluents from epichlorohydrin plants such as herein described to avoid environmental pollution comprising the steps of collecting the effluents to be degraded containing 2.5% to 5.0% calcium chloride and other inorganic salts in a bioreactor alongwith one or more nutrient sources including one or more nitrogen sources; introducing a mixed culture of bacteria selected from the genera aerobacter, pseudomonas, alcaligenes and bacillus as inocula into a tank; agitating and/or aerating the fermentation medium until the COD and BOD of the said medium are reduced to pre-determined values, the reaction being carried out at a temperature range of 22°C to 42°C within a pH range of 4.0 to 12.0 and separating, by known methods, biodegraded effluents.

(Com. Specn. 13 Pages;

Drawgs. : 01 Sheet)

Ind. Cl. : 201 D

184116

Int. Cl. : C 02 F 3/00.

**A BIOPROCESS FOR THE DEGRADATION OF EFFLUENTS FROM COKE-OVEN PLANTS TO GET EFFLUENTS OF LESS OR NO TOXICITY.**

Applicant : SOUTHERN PETROCHEMICAL INDUSTRIES CORPORATION LTD. 97, MOUNT ROAD, CHENNAI-600 032, TAMILNADU, INDIA AN INDIAN COMPANY.

Inventors :

- (1) DR. L. M. VAIKUNDARAJA,
- (2) G. ELAMVALUTHI,
- (3) DR. RM. KRISHNAN,
- (4) DR. R. PALANIAPPAN.

Application No. 77/Mas/94 filed on 8th February 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

#### 5 Claims

A bioprocess for the degradation of effluents from coke-oven plants to get effluents of less or no toxicity comprising the steps of collecting the effluents to be degraded containing up to 2800 ppm of phenol, 75 ppm of cyanide and 4000 ppm of ammonia in a bioreactor alongwith one or more nutrient sources including one or more nitrogen sources; introducing a mixed culture of bacteria selected from the genera aerobacter, micrococcus, bacillus, alcaligenes, pseudomonas and klebsiella as inocula into the reactor; agitating and/or aerating the fermentation medium until the COD and BOD of the said medium are reduced to pre-determined values, the reaction being carried out at temperature range of 22°C to 45°C and within a pH range of 4.0 to 12.0 and separating by known methods; effluents of less or no toxicity.

(Com. Specn : 12 Pages;

Drawgs. : 02 Sheets)

Int. Cl. : 201 D

184117

Int. Cl. : C-02 F 3/00.

**A BIOPROCESS FOR THE DEGRADATION OF EFFLUENTS FROM FISH PROCESSING PLANTS TO GET EFFLUENTS HAVING NO POLLUTION HAZARD.**

Applicant : SOUTHERN PETROCHEMICAL INDUSTRIES CORPORATION LTD. 97, MOUNT ROAD, CHENNAI-600 032, TAMILNADU, INDIA AN INDIAN COMPANY.

Inventors :

- (1) DR. L. M. VAIKUNDARAJA,
- (2) G. ELAMVALUTHI,
- (3) DR. RM. KRISHNAN,
- (4) DR. R. PALANIAPPAN.

Application No. 78/Mas/94 filed on 8th February 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

#### 5 Claims

A bioprocess for the degradation of effluents from fish processing plants, to get effluents having no pollution hazard, comprising the steps of collecting the effluents to be degraded containing proteinaceous suspended matter in tank; pumping the effluents into a clarifier wherein suspended proteinaceous matters are separated; pumping the clarified effluent into a bioreactor alongwith one or more nutrient sources including one or more nitrogen sources; introducing a mixed culture of proteolytic and non-proteolytic bacteria, as inocula, into the said reactor; agitating and/or aerating the fermentation medium until the COD and BOD of the said medium are reduced to predetermined values, the reaction being carried out within a temperature range of 20°C to 43°C within a pH range of 4.0 to 9.0 and separating, by known methods, effluents having no pollution hazard.

(Comp. Specn. 12 Pages;

Drgs. Nil)

Ind. Class : 51D

184118

Int Cl4 : B 26 B21/00

"A TWIN BLADE RAZOR"

Applicant : Uppinangady Varadaraya Nayak, 15-48, Happy-Valley Compound, Kalpane, Kulshekar, Mangalore-575005, Karnataka, India, an Indian citizen.

Inventors : (1) Uppinangady Varadaraya Nayak

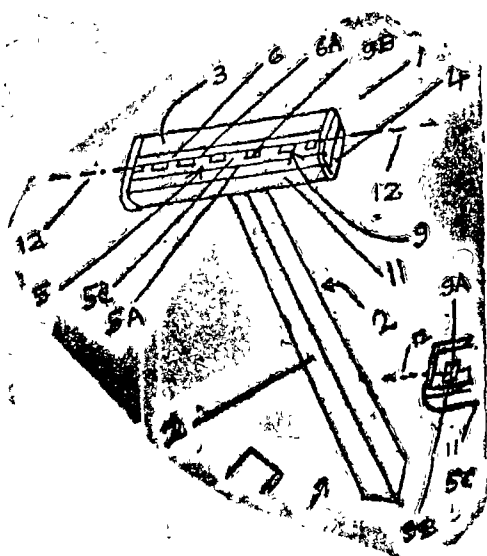
Application No. 154/Mas/94 led on 7th March 1994.

Complete Specification Left : 4th November 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

## 5 Claims

A twin blade razor (1) comprising a cap (3), a blade support (4) positioned beneath said cap (3), a lower blade (5) positioned between said cap (3) and said blade support (4), the lower blade (5) having a shaving edge (5A), an upper blade (6) situated between the cap (3) and the lower blade (5), the upper blade (6) having a shaving edge (6A), a spacer strip (7) placed between the upper blade (6) and the lower blade (5) spacing the upper blade (6) from the lower blade (5), the lower blade (5) comprising a first portion (5B) and a second portion (5C), the said first portion (5B) being situated beneath the upper blade (6)/spacer strip (7) and extending upto the shaving edge (6A) of the upper blade (6) and spaced therefrom, the said second portion (5C) having the shaving edge (5A) of the lower blade (5), the second portion (5C) extending from the first portion (5B) outwardly beyond the shaving edge (6A) of the upper blade (6) and is exposed, gap (8) provided between the upper blade (6) and the first portion (5B) of the lower blade (5) for the passage of hair there through, the gap (8) extending from the spacer strip (7) to the shaving edge (6A) of the upper blade (6), holes (9) provided in the lower blade (5) for the passage of hair therethrough characterized in that each hole (9) in the lower blade (5) comprises a first part (9A) and second part (9B), the first part (9A) being situated in the said first portion (5B) and the second part (9B) situated in the said second portion (5C) of the lower blade (5), each hole (9) extending from the first portion (5B) to the second portion (5C) of the lower blade (5), the holes (9) communicating with the gap (8).



(Prov. Specn. 12 Pages; Complete Specn Specn. 19 pages  
Drawings 4+3 sheets).

Ind. Cl. 162, 60

184119

Int. Cl.4 : B 32B-3/00, B 65H 75/00

"LOOP FASTENER MATERIAL STORAGE/DISPENSING ASSEMBLY".

Applicant : MINNESOTA MINING AND MANUFACTURING COMPANY, 3M Centre, St. Paul Minnesota 55144-1000, USA a Delaware Corporation, USA.

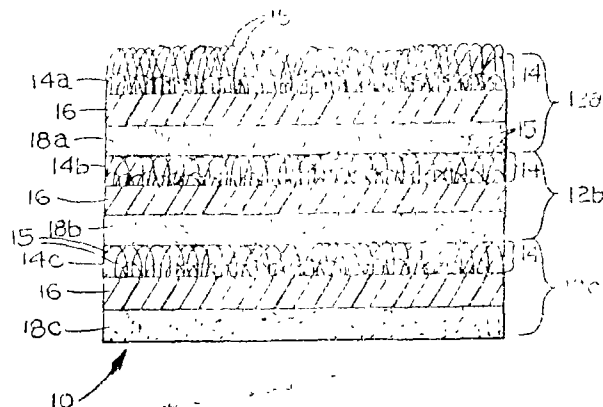
Inventors : 1. MODY CHIMANLAL KIRIT 2. ERICKSON DUANE ROY 3. POLSKI PETER STEPHEN.

Application No. 162/MAS/94 filed on 8th March 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

## 10 Claims

A loop fastener material storage/dispensing assembly (10) comprising one or more multilayer sheets of loop fastener material for the loop portion of a hook and loop fastener, said loop fastener material comprising in order; (1) a loop layer (14) on its first major surface, said loop comprising (a) a multiplicity of flexible loops releasably engaged by the complementary hook portion of the hook and loop fastener and (b) a base layer to which said loops are anchored, and (2) a pressure-sensitive adhesive layer (18) on its second major surface; wherein said loop fastener material is positioned in said assembly such that the adhesive layer (18a) of an overlying portion (12a) of said loop fastener material is in direct contact with the loop layer (14b) of an underlying portion (12b) of said loop fastener material, said loops being such that, when said overlying portion of said loop fastener material is removed from said assembly, said loops of said underlying portion are presented in an engagable state.



Comp. Specn. 26 pages; Drgs. one sheet.

Ind. Class : 153

184120

Int. Cl4 : B 24D-3/00

"AN IMPROVED SUPERBRASIVE TOOL"

Applicant : NORTON COMPANY, of 1 New Bond Street, Box Number 15008, Worcester, Massachusetts 01615-0008, United States of America; a US Company.

Inventors :

- (1) JAMES EUGENE FRODIN
- (2) SCOTT FELLOW
- (3) JEAN KRAMP

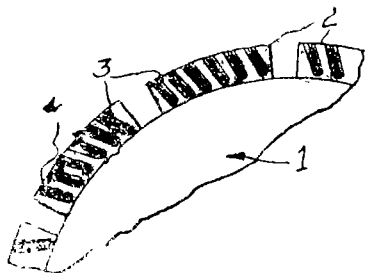
Application No. 210/MAS/94 filed on 23rd March 1994.



Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

#### 07 Claims

An improved superabrasive tool comprising a bond material such as herein described having dispersed therein abrasive grains comprising at least one superabrasive component such as herein described and microcrystalline alumina filamentary particles with an essentially uniform orientation.



(Com. Specn. 11 Pages; Drwgs. 01 Sheet)

#### OPPOSITION PROCEEDINGS

An opposition entered by M/s National Research Development Corporation, New Delhi to the grant of a patent to the application No. 175399 (92/Bom/92) has been dismissed and the application for patent has been ordered to proceed for sealing.

The opposition as entered by Mr. G. B. Radhakrishnani, Mumbai to the grant of a Patent on application No. 176109 (346/BOM/92) made by Mrs. Indumati Jayantkumar Shah and Mr. K. J. Shaw, Mumbai as notified in gazette of India, Part III Section 2 dt. 3-2-96\* has been dismissed and it is ordered that the application for Patent No. 176109 shall proceed to sealing.

An opposition entered by M/s Lakshmi Machine Works Limited, Coimbatore to the grant of a patent to the application No. 179708 (157/Mas/91) has been dismissed and the application for patent has been ordered to proceed for sealing.

#### RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patent Act, 1970 for the restoration of Patent No. 174099 granted to Orissa Cement Ltd.

The Patent ceased on the 07-02-1999 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 03rd June 2000.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 14 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M. S. O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagdish Chandra Bose, Road, Calcutta-700 020 on or before the 10th August, 2000 under Rule 69 of the Patent Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patent Act, 1970 for the restoration of Patent No. 176056 granted to Orissa Cement Limited, Rajgarh Nagar, 770017, Orissa, India, An Indian Limited Company for an invention relating to Process for the manufacture of refracting gunning material.

The Patent ceased on the 23-03-99 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 03rd June 2000.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 14 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M. S. O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagdish Chandra Bose, Road, Calcutta-700 020 on or before the 10th August, 2000 under Rule 69 of the Patent Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 181375 granted to CHEN LONG CHEN for an invention relating to Rotary internal combustion engine with compressor.

The Patent ceased on the 4-11-1999 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 3rd June, 2000.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 14 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M. S. O. Building, 5th 6th and 7th floor, 234/4, Acharya Jagdish Chandra Bose Road, Calcutta-700020 on or before the 10th August, 2000 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date or within one month from the date of the notice.

#### PATENT SEALED ON 12-05-2000

182260	182846	183281*	183282*	183283	183284*D
183285*D	183286*D	183287*D	183288*D	183289*D	
183290*D	183291*D	183292*D	183293*D	183294*D	
183295*D	183296*D	183297*D	183298*D	183299*D	
183300*D					

CAL—01, DEL—20, MUM—NIL, CHEN—01

\*Patent shall be deemed to be endorsed with words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D—Drug Patents

F—Food Patents

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of registration included in the entries.

Class 3. Nos. 180543 to 180546, Ray Plastiques Private Limited, a company duly incorporated under the Indian Companies Act, 1956 having their regd. office at Seksaria Industrial Estate, Chincholi Bunder Road, Off. S.V. Road, Malad (West), Mumbai-400064, in the state of Maharashtra within the Union of India, "COMB", 8th October 1999.

Class 3. Nos. 181400 to 181402, Govind Rubber Ltd., an Indian company incorporated under the Indian Companies Act, 1956 whose address is 318, Creative Industrial Estate, N. M. Joshi Marg, Mumbai-400011, Maharashtra, India, "CYCLE TYRE" 24th January 2000.

Class 3. Nos. 180590 & 180591 M/s. Clear Plastic Pvt. Ltd., Plot No. 709/3/1/1, Vadfalia, Bhilad Naroli Road, Naroli 196235, U.T. Of D & N.H., "CONTAINER", 14th October 1999.

Class 1. Nos. 180769 & 180770, Findings, Inc., a corporation of the State of New Hampshire, U.S.A., 160, Water Street, P.O. Box No. 462, Keene, NH-03431, U.S.A., "JEWELRY SETTING", 11th November 1999.

Class 1. Nos. 180419 & 180420, Titan Industries Ltd., an Indian company registered under the Companies Act, 1956 whose address is Golden Enclave, Tower A, Airport Road, Bangalore-560017, Karnataka, India, "WRIST WATCH", 22nd September 1999.

Class 3. Nos. 181497 & 181498, Satish Jain, Naresh Jain, Anil Jain, Vipin Jain and Jinesh Jain, of B-23/2, Shakti Mandir Marg, Shakti Nagar, Delhi-110007, India, "INFLATABLE BLADDER", 1st February 2000.

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Dy. Controller of Patents & Designs

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